

WHAT IS CLAIMED IS:

1 1. In a computer system including at least two  
2 server nodes, each of which execute clustered server  
3 software, a method for providing a transition from a  
4 first one of said server nodes to a second one of said  
5 server nodes, said method comprising the steps of:

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7 a. in response to a request for said  
8 transition, initiating a thread for effecting  
9 said transition from said first server node to  
10 said second server node;

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12 b. determining if a shared resource is owned  
13 by said second node, and if not;

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15 c. calling a driver to enable functionality  
16 of said transition, which transition sets up  
17 said shared resource access to said second  
18 server node.

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1 2. The method as in Claim 1, further including a  
2 step of counting the number of resources that have  
3 transitioned.

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1 3. The method as in Claim 1 wherein said  
2 transition occurs when said first server has failed and  
3 said resource is brought online on said second server.

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2 4. The method as in Claim 1 wherein said  
3 transition occurs when a server becomes active following  
4 a failure and said resource is brought online on said  
5 first server and offline on said second server.

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1 5. The method as in Claim 1 wherein said  
2 transition occurs in response to a selection by a user.

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1 6. The method as in Claim 5 wherein said  
2 transition occurs in response to said user selection so  
3 that said resource is brought online on said second  
4 server.

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1 7. The method as in Claim 5 wherein said  
2 transition occurs in response to said user selection so  
3 that said resource is brought online on said first server  
4 and offline on said second server.

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1 8. A storage medium encoded with machine-readable  
2 computer program code for providing a transition from a  
3 first one of said server nodes to a second one of said  
4 server nodes, wherein, when the computer program code is  
5 executed by a computer, the computer performs the steps  
6 of:

7 a. in response to a request for said  
8 transition, initiating a thread for effecting  
9 said transition from said first server node to  
10 said second server node;

11

12 b. determining if a shared resource is owned  
13 by said second node, and if not;

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15 c. calling a driver to enable functionality  
16 of said transition, which transition sets up  
17 said shared resource access to said second  
18 server node.

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1 9. The storage medium as in Claim 8, further  
2 including a step of counting the number of resources that  
3 have transitioned.

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1 10. The storage medium as in Claim 8 wherein said  
2 transition occurs when said first server has failed and  
3 said resource is brought online on said second server.

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2 11. The storage medium as in Claim 8 wherein said  
3 transition occurs when a server becomes active following  
4 a failure and said resource is brought online on said  
5 first server and offline on said second server.

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1 12. The storage medium as in Claim 8 wherein said  
2 transition occurs in response to a selection by a user.

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1 13. The storage medium as in Claim 12 wherein said  
2 transition occurs in response to said user selection so  
3 that said resource is brought online on said second  
4 server.

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1 14. The storage medium as in Claim 12 wherein said  
2 transition occurs in response to said user selection so  
3 that said resource is brought online on said first server  
4 and offline on said second server.